

WHAT IS CLAIMED IS:

1. Laying method for a collapsible bridge with a bridge girder, the bridge girder being pushed over an obstacle by way of a laying beam positioned in front of an obstacle to be bridged, rollers and roller carriers carrying the rollers fastened to the bridge girder, the rollers running in rails arranged on the laying beam,

wherein, during the laying operation, the rollers with the pertaining roller carrier leaving the rail of the laying beam are removed from the bridge girder and are mounted again at a different point of the bridge girder which is momentarily situated in front of the entry into the rail of the laying beam.

2. Laying method according to Claim 1, wherein the bridge girder is formed of a plurality of bridge girder sections, and said method includes connecting the bridge girder sections together to extend the length of the girder as the bridge is laid.

3. Bridge girder for the laying according to the laying method of Claim 1, wherein the rollers as well as roller carriers carrying the roller are detachably fastened to an underside of the bridge girder so that they can be selectively attached and detached.

4. Bridge girder according to Claim 3, wherein the girder is constructed as a truss girder.

5. Bridge girder according to Claim 3, wherein the girder is constructed as a deck plate girder or box girder.

6. A mobile bridge system comprising:

a plurality of bridge girder sections,

a laying beam operable to support the bridge girder sections during laying of a bridge with the bridge girder sections sequentially moved along the length of the laying beam and being connected together to form a bridge girder which is longer than said laying beam, and

rollers and roller carriers carrying said rollers which are detachably connected with the respective ones of the bridge girder sections to support the bridge girder sections for rolling movement along said laying beam while being removable from the bridge girder section after passing over the length of the laying beam so they can be removed and reattached to another girder section to be introduced by the laying beam,

whereby the girder section can be laid end to end using the rollers with removal of the rollers from sections of the bridge girders that have passed beyond the length of the laying beam.

7. A mobile bridge system according to Claim 6, comprising:

bridge girder connecting means operable to detachably connect the bridge girder sections with one another.

8. A mobile bridge system according to Claim 6, wherein the rollers are disposed under the bridge girder section to roll on top of the laying beam during laying of a bridge.

9. A mobile bridge system according to Claim 6, wherein said roller carriers are detachably connectible to the bridge girder section at nodes of the bridge girder sections where diagonal bridge girder section members are connected with a lower bridge girder section.

10. A mobile bridge system according to Claim 9, wherein said roller carriers are engageable underneath the lower bridge girder member and include upwardly extending lateral lugs which have openings for a detachable pin at a position above said lower bridge girder section member when in an in use position connected with the bridge girder section.